

NXP Semiconductors / Freescale

MCIMX512DJM8CR2

Part Number:	MCIMX512DJM8CR2
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU I.MX51 800MHZ 529BGA
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	6324 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

[REQUEST FOR QUOTATION](#)

Specifications of MCIMX512DJM8CR2

PART NUMBER	MCIMX512DJM8CR2
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX51 800MHZ 529BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	6324 pcs
DATA SHEET	
VOLTAGE - I/O	1.2V, 1.875V, 2.775V, 3.0V
USB	USB 2.0 (3), USB 2.0 + PHY (1)
SUPPLIER DEVICE PACKAGE	529-BGA (19x19)
SPEED	800MHz
SERIES	i.MX51
SECURITY FEATURES	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC
SATA	-
RAM CONTROLLERS	LPDDR, DDR2
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	529-LFBGA
OPERATING TEMPERATURE	-20°C ~ 85°C (TC)
NUMBER OF CORES/BUS WIDTH	1 Core, 32-Bit
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GRAPHICS ACCELERATION	No
ETHERNET	10/100 Mbps (1)
DISPLAY & INTERFACE CONTROLLERS	Keypad, LCD
DETAILED DESCRIPTION	ARM® Cortex®-A8 Microprocessor IC i.MX51 1 Core, 32-Bit 800MHz 529-BGA (19x19)
CORE PROCESSOR	ARM® Cortex®-A8
CO-PROCESSORS/DSP	Multimedia; NEON™ SIMD
BASE PART NUMBER	MCIMX512
ADDITIONAL INTERFACES	1-Wire, AC'97, I²C, I²S, MMC/SD, SPI, SSI, UART

Related Tags

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	<p>MCIMX508CVM8BR2</p> <p>Manufacturers: NXP Description: IC MPU I.MX50 800MHZ 400MAPBGA In stock: 6964 pcs</p> <p>RFQ</p>		<p>MCIMX514AJM6C</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 600MHZ 529BGA In stock: 2593 pcs</p> <p>RFQ</p>
	<p>MCIMX513DJM8CR2</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 800MHZ 529BGA In stock: 3296 pcs</p> <p>RFQ</p>		<p>MCIMX512CJM6C</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 600MHZ 529BGA In stock: 2422 pcs</p> <p>RFQ</p>
	<p>MCIMX513CJM6C</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 600MHZ 529BGA In stock: 2581 pcs</p> <p>RFQ</p>		<p>MCIMX508CZK8B</p> <p>Manufacturers: NXP Description: IC MPU I.MX50 800MHZ 416POBGA In stock: 5851 pcs</p> <p>RFQ</p>
	<p>MCIMX50EVK</p> <p>Manufacturers: NXP Description: KIT EVALUATION I.MX50 In stock: 186 pcs</p> <p>RFQ</p>		<p>MCIMX512DJM8C</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 800MHZ 529BGA In stock: 2528 pcs</p> <p>RFQ</p>
	<p>MCIMX513DJM8C</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 800MHZ 529BGA In stock: 2764 pcs</p> <p>RFQ</p>		<p>MCIMX513CJM6CR2</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 600MHZ 529BGA In stock: 6808 pcs</p> <p>RFQ</p>
	<p>MCIMX512CJM6CR2</p> <p>Manufacturers: NXP Description: IC MPU I.MX51 600MHZ 529BGA In stock: 3455 pcs</p> <p>RFQ</p>		<p>MCIMX514AJM6CR2</p> <p>Manufacturers: NXP Description: I.MX51 32-BIT MPU ARM CORTEX-A8 In stock: 3412 pcs</p> <p>RFQ</p>